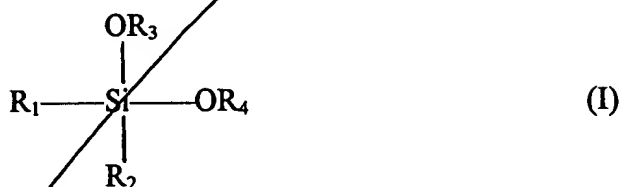


CLAIMS

1. An aromatic silane compound having formula (I):



5 wherein

R₁ is selected from the group consisting of linear or branched C₁₋₂₆ alkyl, C₂₋₂₆ alkenyl, C₁₋₂₆ alkoxy, C₂₋₂₆ alkoxyalkyl, C₇₋₂₆ arylalkyl, C₃₋₂₆ cycloalkyl and C₄₋₂₆ cycloalkoxy groups, optionally containing one or more halogen atoms;

10 R₂ is an aromatic ring having at least one substituent in the ortho position selected from C₁₋₁₀ hydrocarbon groups; and

R₃ and R₄, the same or different from each other, are selected from the group consisting of linear or branched C₁₋₁₀ alkyl and C₃₋₁₀ cycloalkyl groups.

15 2. The aromatic silane compound of claim 1, wherein R₁ is selected from the group consisting of linear or branched C₁₋₁₈ alkyl and C₃₋₁₈ cycloalkyl groups.

3. The aromatic silane compound of claim 2, wherein R₁ is selected from the group consisting of linear C₁₋₅ alkyl and branched C₃₋₈ alkyl groups.

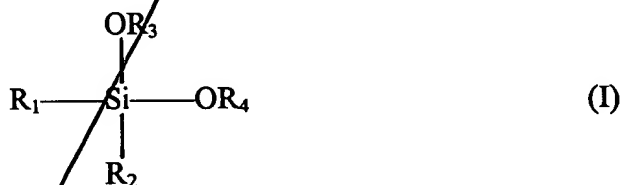
4. The aromatic silane compound of claim 1, wherein R₂ is selected from the group consisting of mono-substituted phenyl, di-substituted phenyl and mono-substituted naphthyl.

20 5. The aromatic silane compound of claim 1, wherein R₃ and R₄ are selected from the group consisting of linear or branched C₁₋₈ alkyl and C₃₋₈ cycloalkyl groups.

6. The aromatic silane compound of claim 5, wherein R₃ and R₄ are methyl or ethyl.

7. A catalyst system for the polymerization of olefins comprising:

(A) an aromatic silane compound having formula (I):



25 wherein

R₁ is selected from the group consisting of linear or branched C₁₋₂₆ alkyl, C₂₋₂₆ alkenyl, C₁₋₂₆ alkoxy, C₂₋₂₆ alkoxyalkyl, C₇₋₂₆ arylalkyl, C₃₋₂₆ cycloalkyl and C₄₋₂₆ cycloalkoxy groups, optionally containing one or more halogen atoms,

R₂ is an aromatic ring having at least one substituent in the ortho position; and

R₃ and R₄, the same or different from each other, are selected from the group consisting of linear or branched C₁₋₁₀ alkyl and C₃₋₁₀ cycloalkyl groups;

(B) an aluminum alkyl compound; and

(C) a solid catalyst component comprising Mg, Ti, halogen and an electron donor compound.

8. The catalyst system of claim 7 wherein, in said aromatic silane compound (A), R₁ is selected from the group consisting of linear or branched C₁₋₁₈ alkyl, C₁₋₁₈ alkoxy and C₃₋₁₈ cycloalkyl groups.

9. The catalyst system of claim 8, wherein R₁ is selected from the group consisting of linear C₁₋₅ alkyl and branched C₃₋₈ alkyl groups.

10. The catalyst system of claim 7 wherein, in said aromatic silane compound (A), R₂ is selected from the group consisting of mono-substituted phenyl, di-substituted phenyl and mono-substituted naphthyl, and said substituent in the ortho position is selected from the group consisting of linear or branched C₁₋₁₀ alkyl and C₁₋₁₀ alkoxy groups.

11. The catalyst system of claim 7 wherein, in said aromatic silane compound (A), R₃ and R₄ are selected from the group consisting of linear or branched C₁₋₈ alkyl and C₃₋₈ cycloalkyl groups.

12. The catalyst system of claim 11, wherein R₃ and R₄ are methyl or ethyl.

13. The catalyst system of claim 7, wherein said solid component (C) comprises a titanium compound having at least one titanium-halogen bond and an internal electron donor, both supported on an active magnesium halide.

14. The catalyst system of claim 13, wherein said solid component (C) comprises the reaction product of titanium tetrachloride, active magnesium chloride and an internal electron donor.

Sub
B³

15. A process for the polymerization of alpha-olefins comprising polymerizing propylene in the presence of the catalyst system as described in claim 7, to produce a polyolefin having a stereoblock content of from about 7 to about 25%.